

BOAT

Name **SILVA**
File **EST407**

Sail Nr **EST 407**
Data in **meters/kilograms**

RIG

Forestay Tension **Aft**
Inner Stay **None Fitted**
Carbon Mast **No**
Fiber Rigging **No**
Non-Circular Rigging **No**
Articulated Bowsprit **No**

Spreaders **3**
Runners/Checkstays **0**
Jib Furler **No**
Main Furler **No**

P **13.500** E **4.600** MDT1 **0.102** MW **0.187**
IG **14.090** J **4.010** MDL1 **0.187** GO **0.206**
ISP **14.120** SFJ **0.000** MDT2 **0.102** BD **0.160**
BAS **1.577** SPL **4.000** MDL2 **0.174** MWT **149.00**
FSD **0.033** TPS TL **0.370** MCG **5.100**

INCLINING TEST AND FREEBOARDS

Inclining Test **Current Inclining**
Flotation date **21/06/2012** SG **1.0020**

FFM **1.341** FF **1.351** SFFP **0.367**
FAM **1.028** FA **1.035** SAFP **10.162**

W1 **77.8** PD1 **479.4** WD **10.510**
W2 **77.8** PD2 **476.1** GSA **1.0**
W3 **77.8** PD3 **473.0** RSA **1.0**
W4 **77.8** PD4 **473.1** PLM **9000.0**

LCF from stem on CL / on sheer **5.919 / 6.148**
Maximum beam station from stem **6.980**
RM Measured **135.5kg·m**
RM Default **140.4kg·m**
Limit of positive stability / Stab.Index **113.9° / 116.2**
Freeboard at mast at 4.010 **1.189**

MIZZEN RIG AND SAILS

N/A

COMMENTS

PROPELLER

Installation **Strut** PRD **0.410**
Type **Folding 2 blades** PBW
Twin Screw **No** PIPA **0.0027**

ST1 **0.042** ST3 **0.180** ST5 **0.280**
ST2 **0.180** ST4 **0.090** EDL **2.480**

MOVABLE BALLAST

N/A

CENTERBOARD

N/A

Certificate

Number **116/20**
ORC Ref **03880000MCE**
Issued On **10/07/2020**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**


ESTONIAN YACHTING UNION

SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
4a	0.36	0.99	1.70	2.81	3.76	36.22		14/04/2018	OneSails	Unknown	

HEADSAILS (4)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
8	0.08	0.69	1.32	2.61	3.93	5.30	13.90	132%	36.67	No			02/04/2019	North	Unknown	
4b	0.09	0.67	1.30	2.58	3.88	5.27	13.67	131%	35.68	No			14/04/2018	North	Unknown	Light-Medium
6a	0.10	0.63	1.22	2.48	3.83	5.29	13.71	132%	35.13	No			14/04/2018	North	Unknown	Heavy
7a	0.10	0.56	1.05	2.05	3.06	4.02	13.83	100%	28.34	No			14/04/2018		Unknown	G3

SYMMETRIC SPINNAKERS (5)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	13.99	13.99	13.99	7.59	7.36	87.96		20/06/2006		Unknown	kollane
8	13.93	13.93	13.93	7.61	7.39	87.83		02/04/2019	North	Unknown	
7	13.75	13.75	13.75	7.70	7.22	87.13		14/04/2018		Unknown	S-1
5	13.92	13.92	13.92	7.55	7.27	86.94		28/05/2013		Unknown	S-2

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
----	-----	-----	----	-----	-----	------	------	----------	-----------	-------------	----------	---------

MEASUREMENT INVENTORY

Measurer
Date
Comment
Internal Ballast total = 0.0

Id	Item	Weight	Distance	VCG	Description
SaS	Tools	27.5	5.68	0.00	Sailor-Services
Id	Item	Weight	Description		

MEASUREMENT INVENTORY

Id	Item	Weight	Distance	VCG	Description
----	------	--------	----------	-----	-------------

© Offshore Racing Congress 2020

www.orc.org

2020

ORC Club Certificate Appendix

BOAT			
Name	SILVA	Certificate Number	116/20
Sail Nr	EST 407	Issued On	10/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1042.9	870.1	767.0	713.6	695.8	688.8	689.0
52°	686.5	582.9	529.5	507.3	498.6	495.0	493.6
60°	650.9	557.7	516.1	496.7	486.5	482.2	479.7
75°	625.5	540.8	506.4	487.5	473.5	463.1	455.1
90°	633.1	541.7	500.5	481.5	469.1	453.8	430.9
110°	646.0	536.9	494.6	470.3	448.8	432.8	414.2
120°	665.1	549.2	500.3	474.7	451.4	429.0	396.5
135°	733.8	599.0	524.4	491.3	468.3	445.4	402.4
150°	868.2	691.1	585.9	522.5	492.1	470.5	428.5
Run VMG	1002.5	798.0	675.9	594.8	538.7	502.4	459.5
Selected Courses							
Windward / Leeward	1022.7	834.1	721.5	654.2	617.3	595.6	574.2
Circular Random	865.0	699.4	610.8	559.6	528.4	508.5	484.6
Coastal / Long Distance	1020.6	784.2	652.1	575.5	537.9	508.9	462.9
Non Spinnaker	918.0	736.7	638.4	580.9	545.6	523.0	495.8

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42.0°	40.7°	40.1°	38.6°	37.7°	37.9°	38.3°
Beat VMG	3.45	4.14	4.69	5.05	5.17	5.23	5.23
52°	5.24	6.18	6.80	7.10	7.22	7.27	7.29
60°	5.53	6.46	6.98	7.25	7.40	7.47	7.51
75°	5.76	6.66	7.11	7.38	7.60	7.77	7.91
90°	5.69	6.65	7.19	7.48	7.67	7.93	8.35
110°	5.57	6.70	7.28	7.65	8.02	8.32	8.69
120°	5.41	6.55	7.20	7.58	7.98	8.39	9.08
135°	4.91	6.01	6.87	7.33	7.69	8.08	8.95
150°	4.15	5.21	6.14	6.89	7.32	7.65	8.40
Run VMG	3.59	4.51	5.33	6.05	6.68	7.17	7.84
Gybe Angles	145.0°	150.0°	151.0°	157.0°	175.0°	180.0°	180.0°